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February 1, 2018

L-MT-18-008
10 CFR 21.21(d)(3)(i)&(ii)

ATTN: Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Monticello Nuclear Generating Plant
Docket No. 50-263
Renewed Facility Operating License No. DPR-22

Initial and Final Notification of Failure to Comply or Existence of a Defect

Pursuant to 10 CFR 21.21(d)(3)(i)&(ii), Northern States Power Company, a Minnesota Corporation, (NSPM), doing business as Xcel Energy, hereby submits the attached initial and final notification of failure to comply or existence of a defect.

If there are any questions or if any additional information is needed, please contact Steve Sollom, at 612-807-2308.

Summary of Commitments

This letter makes no new commitments and no revisions to existing commitments.



Christopher R. Church
Site Vice President, Monticello Nuclear Generating Plant
Northern States Power Company – Minnesota

Enclosure

cc: Administrator, Region III, USNRC
Project Manager, Monticello, USNRC
Resident Inspector, Monticello, USNRC

Enclosure

Initial and Final Part 21.21(d)(4) Report For Westinghouse Breaker Cubicle

On November 30, 2017, an internal wire in a 480VAC cubicle, breaker B3424, was discovered to be terminated using incorrect size wire lugs. This deviation was identified by Monticello Nuclear Generating Plant (MNGP) electrical maintenance staff during bench testing of the cubicles in preparation for implementation of a modification.

The cubicles were received by MNGP in September, 2017 from Westinghouse Electric Co.

On January 26, 2017, MNGP completed an evaluation of this deviation and concluded this condition represents a significant safety hazard. As a result, this condition is a defect and is reportable pursuant to 10 CFR 21.21(d)(4).

Name and Address of the Individual or Individuals Informing the Commission:

Christopher R. Church,
Site Vice President
Monticello Nuclear Generating Plant
Northern States Power Company – Minnesota
2807 West County Road 75
Monticello, MN 55362

Identification of the facility, the activity, or the basic component supplied for such facility or such activity within the United States which fails to comply or contains a defect:

Facility: Monticello Nuclear Generating Plant
Docket No. 50-263
License No. DPR-22

Basic Component: Westinghouse / Eaton Breaker Cubicle Part No. 10149D92G05

Identification of the firm constructing the facility or supplying the basic component which fails to comply or contains a defect:

Address on original purchase order:

Westinghouse Electric Co.
Nuclear Services
1000 Westinghouse Drive
New Stanton, PA 15672

Enclosure

Initial and Final Part 21.21(d)(4) Report For Westinghouse Breaker Cubicle

Nature of the defect or failure to comply and the safety hazard which is created or could be created by such defect or failure to comply:

On November 30, 2017, an internal wire in a 480VAC cubicle, breaker B3424, was discovered to be terminated using incorrect size wire lugs. This condition was discovered during bench testing in preparation for implementing a modification to the Control Room Ventilation (CRV) system. The wire connection was found loose and was able to be lifted off of the terminal without removing the screw. Upon further examination, the internal diameter of ring termination lugs was found to be too large, providing only a partial surface area for screw head contact.

The affected lugs were on contactor coil resistor terminations internal to the cubicle. Without sufficient contact area or connection to the wiring on the resistor, control power could be lost to the contactor coil resulting in the fan V-EF-40A not starting, which would prevent proper ventilation to the room housing safety-related batteries required to be operable during an accident scenario. Therefore, MNGP determined that a substantial safety hazard could have been created had the breaker cubicle been installed with the defect uncorrected.

The date on which the information of such defect or failure to comply was obtained:

This defect was evaluated according to the station's Part 21 reporting process. The evaluation was completed on January 26, 2018 and the reporting officer was informed on January 30, 2018.

In the case of a basic component which contains a defect or fails to comply, the number and location of these components in use at, supplied for, being supplied for, or may be supplied for, manufactured, or being manufactured for one or more facilities or activities subject to the regulations in this part:

Fourteen cubicles were purchased from Westinghouse in December 2016 and received and inspected by Monticello on September 15, 2017. As of January 26, 2018, a total of six have been found to have oversized lugs. All were found during bench testing except one, breaker B4423, which was already installed in the plant at the time of discovery. In the case of the installed cubicle, B4423, the lugs were found to be oversized but were unable to be pulled off the screws. Therefore, this condition did not affect operability of the plant equipment.

Enclosure

Initial and Final Part 21.21(d)(4) Report For Westinghouse Breaker Cubicle

The corrective action which has been, is being, or will be taken; the name of the individual or organization responsible for the action; and the length of time that has been or will be taken to complete the action:

Westinghouse was notified of this condition and the condition was incorporated into their corrective action program, number 100506324. The Westinghouse contact person is Adam Tokar, 724-722-6042. No further information on the vendor's corrective actions is known.

MNGP entered the condition into the MNGP Corrective Action Program under 501000005918. Monticello has corrected the lugs on the installed breaker, B4423. The remaining uninstalled cubicles purchased by Monticello are being corrected in accordance with MNGP procedure MWI-8-M-4.06, Conductor Termination, prior in installation in the plant.

Any advice related to the defect or failure to comply about the facility, activity, or basic component that has been, is being, or will be given to purchasers or licensees:

None.

In the case of an early site permit, the entities to whom an early site permit was transferred:

Not applicable.